

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (currently amended): A signal recording medium having a plurality of recording layers,

each of said recording layers having has tracks for recording information, and said tracks having have a wobbling structure in which said tracks are wobbled at different periods for the respective recording layers,

wherein said recording layers comprise a reference layer and another layer, said reference layer having tracks wobbled at a predetermined period and said other layer having tracks phase-modulated at a specific period.

Claim 2 (original): A medium according to claim 1, wherein the wobbling periods of said tracks of said recording layers have a multiple relationship.

Claim 3 (canceled)

Claim 4 (original): A medium according to claim 1, wherein said tracks comprise land tracks and groove tracks, and a signal is recorded on only said groove tracks.

Claim 5 (original): A medium according to claim 1, wherein said tracks comprise land tracks and groove tracks, and a signal is recorded on both said land tracks and said groove tracks.

Claim 6 (original): A signal recording method of recording a signal on a signal recording medium having a plurality of recording layers, each of the recording layers having tracks for recording information, and the tracks having a wobbling structure in which the tracks are wobbled at different periods for the respective recording layers, comprising:

in recording the signal on a target recording layer of the signal recording medium, detecting the wobbling period of the track parallel to signal recording, and upon detecting a change in wobbling period during signal recording, determining on the basis of the detection result that movement from the target recording layer occurs, and stopping the recording operation.

Claim 7 (original): A signal recording apparatus for recording a signal on a signal recording medium having a plurality of recording layers, each of the recording layers having tracks for recording information, and the tracks having a wobbling structure in which the tracks are wobbled at different periods for the respective recording layers, comprising:

detection means for, in recording the signal on a target recording layer of the signal recording medium, detecting the wobbling period of the track parallel to signal recording; and recording operation control means for, upon detecting a change in wobbling period during signal recording, determining on the basis of the detection result that movement from the target recording layer occurs, and stopping the recording operation.

Claim 8 (original): A signal recording/reproducing apparatus for recording a signal on a signal recording medium having a plurality of recording layers, each of the recording layers having tracks for recording information, and the tracks having a wobbling structure in which the tracks are wobbled at different periods for the respective recording layers, comprising:

detection means for, in executing recording/reproducing processing for a target recording layer of the signal recording medium, detecting the wobbling period of the track; and

operation control means for confirming on the basis of the detection result that the target recording layer is being accessed, and executing processing.

Claim 9 (original): An apparatus according to claim 8, wherein said operation control means comprises

recording operation control means for, in recording the signal on the target recording layer of the signal recording medium, detecting the wobbling period of the track parallel to signal recording, and upon detecting a change in wobbling period during signal recording, determining on the basis of the detection result that movement from the target recording layer occurs, and stopping the recording operation, and

reproducing operation control means for, in reproducing the signal from the target recording layer of the signal recording medium, detecting the wobbling period of the track parallel to signal reproduction, and upon detecting a change in wobbling period during signal reproduction, determining on the basis of the detection result that movement from the target recording layer occurs, and stopping the reproducing operation.

Claim 10 (canceled)

Claim 11 (original): A signal recording/reproducing apparatus for recording a signal on a signal recording medium having a plurality of recording layers, each of the recording layers having tracks for recording information, and the tracks having a wobbling structure in which the tracks are wobbled at different periods every round, comprising:

detection means for, in executing recording/reproducing processing for a track of an nth round of the signal recording medium, detecting the wobbling period of the track; and operation control means for confirming on the basis of the detection result that the track of the nth round is being accessed, and executing processing.

Claim 12 (original): An apparatus according to claim 11, wherein said operation control means comprises

recording operation control means for, in recording the signal on the track of the nth round of the signal recording medium, detecting the wobbling period of the track parallel to signal recording, and upon detecting a change in wobbling period during signal recording on the track of the nth round, determining on the basis of the detection result that movement from the track of the nth round occurs, and stopping the recording operation, and

reproducing operation control means for, in reproducing the signal from the track of the nth round of the signal recording medium, detecting the wobbling period of the track parallel to signal reproduction, and upon detecting a change in wobbling period during signal reproduction from the track of the nth round, determining on the basis of the detection result that movement from the track of the nth round occurs, and stopping the reproducing operation.

Claim 13 (new): A signal recording medium comprising a first recording layer and a second recording layer,

the first recording layer having a track for recording information;

the track of the first recording layer having a wobbling structure in which the track is wobbled at a regular period;

the second recording layer having a track for recording information; and

the track of the second recording layer having a wobbling structure in which the track is wobbled at modulated periods.

Claim 14 (new): A signal recording medium comprising a first recording layer and a second recording layer,

the first recording layer having a track for recording information;

the track of the first recording layer having a wobbling structure in which the track is wobbled at a first regular period;

the second recording layer having a track for recording information; and

the track of the second recording layer having a wobbling structure in which the track is wobbled at a second regular period different from the first regular period.

Claim 15 (new): A signal recording medium comprising a recording layer,

the recording layer having a plurality of tracks including a first track and a second track for recording information;

the first track having a wobbling structure in which the first track is wobbled at a regular period; and

the second track having a wobbling structure in which the second track is wobbled at modulated periods.

Claim 16 (new): A signal recording medium comprising a recording layer,

the recording layer having a plurality of tracks including a first track and a second track for recording information;

the first track having a wobbling structure in which the first track is wobbled at a first regular period; and

the second track having a wobbling structure in which the second track is wobbled at a second regular period different from the first regular period.

Claim 17 (new): A signal recording medium comprising a first recording layer and a second recording layer,

the first and second recording layers having tracks for recording data that facilitates error correction;

the error correction being the ability to restore lost data having a predetermined size; each of the first and second recording layers having a predetermined track length related to a wobbling structure with which the first and second recording layers can be identified; and

the predetermined track length corresponding a length necessary to record data having a size smaller than the predetermined size.

Claim 18 (new): A signal recording medium comprising a recording layer, the recording layer having a track for recording data that facilitates error correction; the error correction being the ability to restore lost data having a predetermined size; the track having a predetermined track length related to a wobbling structure with which an off-track error can be detected; and the predetermined track length corresponding a length necessary to record data having a size smaller than the predetermined size.